

ABSTRACT OF THE DISCLOSURE

An optical wireless network system is disclosed. A transmitter (45) includes a laser (36) for generating a light beam that is reflected from a micromirror (42) toward a receiver (27). The receiver (27) includes a lens (28) for receiving the incident light (I) and directing the light to a photodiode (34). A reflective ring (30) surrounds the lens (28) at the receiver (27), to reflect light back to the transmitter (45). The reflective ring (30) is preferably formed of corner cube elements (40) so that the light is reflected back toward its source, over a range of angles of incidence. A photodiode (48) at the transmitter (45) receives a signal that is applied to control circuitry (52) which in turn controls the aim of the mirror (42) in response to the reflected light (R), so that the aim of the mirror (42) may be optimized.